

unsealing the content key, as well as decrypting the content. In an exemplary embodiment, the content in a level 5 title is encrypted with a symmetric key, the symmetric key is encrypted with a public key contained in an activation certificate, the encrypted symmetric key is sealed with the title, and the activation certificate's private key is contained in the activation certificate in a form encrypted by the public key of secure repository 82. In this example, secure repository 82 decrypts the activation certificate's private key using the private key of secure repository 82, and then the activation certificate's private key is used to decrypt the symmetric key. A system and method for creating secure repository 82 is described in ~~Attorney Docket Number MSFT-0126~~ *U.S. APPLICATION NO. 09/604,543*, filed concurrently herewith and expressly incorporated

by reference in its entirety.

The activation ACTIVEX control 84 is a component used by the client computing device during the activation process (see below). Preferably, ACTIVEX control 84 is used by a browser (e.g., a MICROSOFT INTERNET EXPLORER browser), which, in turn, is hosted by reader 92 (although ACTIVEX control 84 could also work with a stand-alone browser.) The activation ACTIVEX control 84 exposes methods that provide for the validation of servers (e.g., the "activation server(s)") to which reader 92 (or the computing device on which it resides) is connected, computation of the hardware ID, downloading of secure repository 82 (and associated activation certificates), and authentication and installation of the downloaded executable. For example, reader 92 (or another software component) may contain instructions to detect whether reader 92 has been activated and, if it has not been activated, may issue one or more instructions to activation ACTIVEX control 84 to perform the activation, and those instructions may include instructions to perform the acts listed above.

The web commerce object 86 is distributed as both an ACTIVEX control and a NETSCAPE NAVIGATOR® plug-in. It may be used, via client-side scripting, by retailers when selling fully individualized copies (i.e., Level 5 protected copies). This COM object 86 is preferably wrapped by client side script functions, which abstract the actual methods and underlying differences between the plug-in and the ACTIVEX control. The key methods provided by the web commerce object 86 and its accompanying interface are: detection of the

a registry), for upload during commercial transactions. The PASSPORT™ ID is stored separately from the activation certificate (even though it may be included in the activation certificate) so that the stored PASSPORT ID may be compared with the PASSPORT ID in the activation certificate during the acquisition of a level 5 title, thereby helping to prevent theft
5 of content.

At step 192 it is determined whether the download of secure repository 82 and the activation certificate has succeeded. If not, an event is logged and the download is attempted again (steps 194 and 192). If the download was successful, then at step 196, the user may be provided with a page that "congratulates" him/her on activating reader 92 and
10 informing him/her that the activation process is complete. In one example, the page may include links where the user may obtain "promotional" or "free" eBooks. This link will change depending on the promotion (i.e., the server may download a different page with different links if the "promotion" changes). This link may also leverage a method exposed by the Activation ACTIVEX Control 84 to return the user to the library page on the reader. The
15 process then terminates at step 198.

eCommerce Process Flow

Referring now to FIG. 6, an overview of the basic process by which eBook titles are acquired and delivered online is described. It is noted that the reader of the present invention is adapted to interact and operate within a server environment. Such an exemplary
20 server environment is described in *U.S. Application No. 04/1604,540* Attorney's Docket No. MSFT-0124, filed concurrently herewith, which is expressly incorporated by reference herein in its entirety.

Using a browser or the "integrated bookstore" feature of reader 92, the user visits a retail site and chooses book(s) in a manner implemented by the retailer (step 200). For example, the site may provide a web page that displays (as links) various books that the user
25 may wish to purchase. The user then pays for the titles (step 202), such as by submitting a credit card number (or by referencing a stored credit card number if the user has an account with the site; in one usage, the user's PASSPORT ID may reference such a number or account). The transaction concludes at step 204 with a receipt page. The receipt page may contain information "confirming" the order or thanking the user for his/her order, and also